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REEL #72
From
BRZEZINSKI, WACLAW

BRZEZINSKI, WACLAW

PHASE I BOOK EXPLOITATION

POL/4224

- Mała energetyka; biuletyn, Nr 2 (Low-Capacity Power Engineering; Bulletin, No. 2).
Kraków, Towarzystwo naukowe dla wykorzystania źródeł energetycznych w Polsce,
1958. 131 p. 3,000 copies printed.

No editors mentioned.

PURPOSE: This bulletin is intended for power engineers and technicians specializing in the development of low-capacity natural resources and for users of such power resources for local agricultural and industrial applications.

COVERAGE: This collection of articles is devoted to the problems of the utilizations for local consumption of regional power resources other than coal and oil. Such energy resources include water, wind, sun, tides, natural and waste gases, peat, shale, hot springs and others less known or as yet unexplored. The study of such resources and of their use is presented in a series of articles concerning achievements and experience in Poland and other countries. There is a detailed bibliography, largely of non-Soviet and non-Polish source material, at the end of the book. No personalities are mentioned.

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Low-Capacity Power Engineering (Cont.)

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TABLE OF CONTENTS:

Asler, Roman, Master of Engineering, President of the Scientific Society for the Utilization of Energy Area Resources in Poland.

Introduction

5

The author presents a short historical sketch of the development of the "Low-Capacity Power Engineering" idea, initiated by the Association of Polish Electrical Engineers (SEP) in 1952.

Brzeziński, Wacław, Professor of the Jagiellon University, Kraków.

Legal Problems of Low-Capacity Power Engineering

7

The author discusses the hydropower laws enacted in 1922 and never abolished and suggests certain changes necessary from the point of view of a socialist economy.

Witulska, Felicja, Master of Engineering, Warsaw. Low Capacity Power Engineering Abroad on the Background of General Electrification

15

The author presents an economic and social justification of low-capacity power developments which are meant to be supplementary to the general electrification of any country. Where a publicly

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available power supply is not accessible, a small local electric generating unit is desired. She then presents a short account of the state of electrification and, in particular, of low-capacity power developments in Belgium, Denmark, Great Britain, Holland, Sweden, Switzerland, the German Federal Republic, the German Democratic Republic, Austria, Finland, France (Continental and Algiers), Greece, Turkey, Yugoslavia, Italy, the USA, Czechoslovakia, Hungary, Rumania, Bulgaria, Albania and the USSR.

Stolbushkin, N.A. Engineer (translated by Jerzy Kubiowski, Engineer).
Air Compressor Installation VKU-3.5

41

The author describes an experimental air compressor installation VKU-3.5 designed by V.V. Savotin and built by the Special Bureau "Stroyvodpnevmatika" of the Ministry of Railroads, USSR. The VKU-3.5 installation was successfully tested in 1952 at the North Caucasus Experimental Machine Station under summer and winter operating conditions. This installation is intended for pumping water from mountain wells. It is equipped with a wind wheel 3.5 m in diameter which drives the compressor. The author gives

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a detailed description of the VKU-3.5 and of the results of its testing.

Witulska, Felicja, Master of Engineering, Warsaw. Water in the Service of the Electrification of Agriculture

48

The author points to the necessity of utilizing available water power for electrification of small rural areas where for economic reasons there is no public available power supply.

Lobczak, Jerzy, Master of Engineering, Kraków. Micro-Electric Power Stations

53

The author deals with the utilization of water power in mountain and near-mountain tourist and health resorts, farms, settlements, small local industries, etc. He gives examples of existing micro-electric power plants with up to 15-kw capacity.

Witulska, Felicja, Master of Engineering, Warsaw. Cooperation of Wind and Water

57

The author describes a system of small hydroelectric power plants supplemented by a system of wind-motor electric plants. The latter play an auxiliary role in pumping storage water. Such joint operation

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solves local problems of electrification, water supply, irrigation, etc.

Hanusz, Tadeusz. Master of Engineering, Krakow. Calculation and Design of Wind Motors

60

The author gives detailed illustrated instructions to non-specialists who intend to design wind motors for their own use.

Kubiatowski, Jerzy, Engineer. Soviet State Standard For Wind Motors
This is an illustrated translation of GOST 2656-55

85

Drozdzowski, H., Professor. Where and How to Install a Wind-Motor
(on the basis of the book by A.V. Karmishyn)

93

The article deals with the methods of finding wind velocity and gives a scale of velocities.

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Low-Capacity Power Engineering (Cont.)	POL/4224	
Demel, Jadwiga, Master of Engineering. Information Section		99
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The authors describe the improvements which they presented to the Patent Office.		
Šourek, Jan, Czechoslovakia. Automation of a Small Hydroelectric Power Plant With an Induction Generator Without Speed Regulation		102
A description of the automation of a 70-kw hydroelectric power plant in Staré Splavy was received by the Editors and will be published in the next issue of the Biuletyn.		
Characteristic of Automobile Generators		103
Kubiatowski, Jerzy, Engineer. Bibliography on the Subject of Utilization of Wind Energy, Part II		106
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AVAILABLE: Library of Congress		
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JP/lmb/mas
9-16-60

BRZEZINSKI, WACLAW

Plan Zagospodarowania Przestrzennego; Studium Z Zakresu Nauki Administracji I
Prawa Administracyjnego. Warszawa, PWN, 1961.

180 P.

With summaries in Russian and English.

At head of title: Instytut Nauk Prawnych Polskiej Akademii Nauk.

Bibliography: P. 171 - (173)

BRZEZINSKI, Z.

An ~~IE~~-1 type, model E electronic radiation counter. p. 91

NUKLEONIKA. (Polska Akademia Nauk. Komitet to Spraw Pokojowego Wykorzystania
Energii Jadrowej) Warszawa, Vol. 5, no. 1, 1958.

POLAND

Monthly List of European Accession (EEAI) LC, Vol 8, no. 7, July 1959.

Uncl.

BRZEZINSKI, Zbigniew; GANCARZ, Zygmunt

Evaluation of vaccines and of the effectiveness of vaccinations against typhoid fever. VI. Post-vaccination reactions in adults to N,P,S, and T vaccines. Przegl. epidem. 17 no.1/2:45-48 '63.

1. Z Zakladu Higieny Ogolnej AM w Warszawie Kierownik: prof. dr M. Kacprzak.

(TYPHOID-PARATYPHOID VACCINES)

BRZEZINSKI, Zbigniew Jan; KOPCZYNSKA, Jadwiga.

Growth and maturation of rural children. Pediat. Pol. 39
no.3:295-300 Mr⁶⁴

1. Z Zakladu Higieny Ogolnej AM w Warszawie; kierownik:
prof.dr.med. M. Kacprzak.

*

POL/46-4-1-9/15

28(1)

AUTHOR: Brzezinski, Zygmunt

TITLE: Electronic Scaler Type LE-1, Mod. E (Przelicznik elektronowy typu LE-1, Mod. E)

PERIODICAL: Nukleonika, 1959, Vol 4, Nr 1, pp 91-93 (Poland)

ABSTRACT: A brief description of the equipment with block-diagram (Fig. 1) of the electronic scaler type LE-1, mod. E is given. Furthermore the equipment is illustrated (Fig. 2). Specification: 1) High voltage supply, 2) Amplifier, 3) Sensibility, 4) Resolving time, 5) Counting impulses per second, 6) Total count storage, 7) Impulse amplitude, 8) Working conditions, 9) Size, 10) Weight, 11) Attachment for counting tube. There are 1 diagram and 1 photograph. ✓

ASSOCIATION: Politechnika Warszawa zaklad konstrukcji telekomunikacyjnych i radiofonii (Polytechnical Institute Warszawa Department of Construction, Telecommunications and Radio-phony)

Card 1/1

BRZEZKISKA, Z.

New derivatives of para-aminosalicylic acid (PAS). Acta poloniae
pharm. 9 no.1:77-78 1952. (CJML 22:2)

1. Of the Institute of Organic Chemistry (Head—Prof. Zofja Jer-
zmanowska, M. D.) of the Pharmaceutical Department of Lodz Med-
ical Academy.

BRZEZINSKI, Zbigniew

Gas gangrene as a complication of infectious abortion.
Gin. polska 28 no.2:133-138 Mar-Apr 57.

1. Z I Kliniki Położnictwa i Chorob Kobietych A.M. w Łodzi
Kierownik: prof. dr. med. J. Sieroszewski.

(ABORTION, compl.)

gas gangrene (Pol))

(GAS GANGRENE, etiol. & pathogen.
abortion (Pol))

BRZEZINSKI, Zbigniew

On the problem of Crede's maneuver in obstetrics. Gin. polska 32
no.2:191-195 '61.

1. Z I Kliniki Położnictwa i Chorob Kobiecth A.M. w Łodzi Kierownik:
prof. dr J. Sieroszewski
(DELIVERY)
(PLACENTA)

KOPCZYNSKA, Jadwiga; BRZEZINSKI, Zbigniew Jan

A simple method for the evaluation of the somatic development in children according to body weight and height. *Pediat. Pol.* 37 no.1: 39-47 Ja '62.

1. Z Zakladu Higieny Ogolnej AM w Warszawie Kierownik: prof. dr med. M. Kacprzak.

(BODY WEIGHT in inf & child)
(BODY HEIGHT in inf & child)

BRZEZINSKI, Z.J.; KOPCZYNSKA, J.; JACHOWICZ, L.

Modified Harpenden caloper for skinfold fat measurement.
Roczn panstw zakl hig 14 no.5:423-426 '63.

1. Institute of General Hygiene, School of Medicine, Warsaw,
Head: Prof. Dr M. Kacprzak, and Voivcdeship Dispensary for
School Hygiene, Warsaw.

BRZEZNY, L.

PHASE I BOOK EXPLOITATION

POL/5746

Dichter, Wilhelm, Master in Engineering, Roman Odoliński, Master in Engineering, Lech Brzeźny, Engineer, Mieczysław Derentowicz, Master in Engineering, and Zbigniew Krzesiewicz, Master in Engineering

Rakiety i pociski kierowane. Cz. 2: Silniki, materiały pędne, teoria lotu; album (Rockets and Guided Missiles. v. 2: Motors, Propellants and Theory of Flight; Album) Warsaw, Wydawn. Ministerstwa Obrony Narodowej, 1960. 343 p. (Series: Biblioteka wiedzy wojskowej. Seria IV) Errata slip inserted. 3,000 copies printed.

Eds.: Tadeusz Burakowski, Master in Engineering and Marian Napierzyński; Tech. Ed.: Helena Malczewska.

PURPOSE: This book is intended for readers interested in rockets and missiles.

COVERAGE: The book reviews briefly the history of rocket development and presents general aspects of rocket flight theory, rocket design and rocket operation. Some information on rocket propellants

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Rockets and Guided Missiles (Cont.)

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is also given. The book is based mainly on non-Soviet bloc materials. No personalities are mentioned. There are 24 references: 10 Polish (including 3 translations from Russian), 8 English, 3 Soviet, 2 German, and 1 Italian.

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Ch. I. Rockets and Their Makers

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2. Rocket pioneers

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Ch. II. Fundamentals of Operation and Design of Rocket Engines

1. Fundamentals of rocket engine operation

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BRZEZOWSKI, F.

"Increasing the grade of standardization of industrial goods."

p. 39 (Ratsionalizatsiia) Vol. 7, no. 6, June 1957
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

L 14163-66 ENF(j)/EWT(m)/ETC(m)-6/T RM/WW

ACC NR: AP6003936

SOURCE CODE: UR/0374/65/000/005/0030/0033

AUTHOR: Bryzgalin, G. I. (Novosibirsk)

38
B

ORG: none

TITLE: Certain creep properties of the AG-4V fiberglass reinforced plastics

SOURCE: Mekhanika polimerov, no. 5, 1965, 30-33

TOPIC TAGS: fiberglass, reinforced plastic, compressive strength,
~~deformation rate~~ material deformation

ABSTRACT: An investigation of creep properties of AG-4V fiberglass plastics under constant compression load at temperatures from 20° to 150°C was carried out. Several formulas correlating the deformation, stress, and temperature are presented. Orig. art. has: 4 figures and 2 formulas. [Based on author's abstract].

SUB CODE: 11/ SUBM DATE: 13Mar65/ ORIG REF: 002/

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UDC: 678:539.376

B Rzhah, Vis.

Distr: 422c 18 18 18
 Effect of alloying elements on the iron aluminizing process.
 S. Rzhah. *Zapiski Poruch. So'etsk. Inst.* 25, No. 1, 271-274 (1954); *Referat. Zhur. Khim.* 1955, Abstr. No. 56177. The effect of alloying elements on the diffusio of Al in Fe is investigated. Double alloys of Fe with Si, Cr, Mn, Co, Ni, Mo, and W are prep'd. in high-frequency ovens, and cylindrical samples diam. 10 mm. and height 15 mm. are prep'd. The aluminizing of the samples is carried out in powderlike Fe-Al (48% Fe, 52% Al) with powd. NH_4Cl addn. at tempa. higher than 900° . The depth of the diffusion layer (DL) is det'd. metallographically and for the Fe-Si alloys by measuring the microhardness. It is established that Ni and Co strongly diminish the DL depth. Cr, Si, Mn, Mo, and W at low concns. diminish, and at increased concn. increase the DL depth. The author's results for Si, Mn, Mo, and W do not agree with the results obtained by Lakhin and Georgievskii (*Vestnik Mashino-stroeniya* 1946, No. 9). The different effect of the elements on the DL depth is explained by the author by the influence of the γ region position in the double alloys Fe-alloying element, and also by the effect of the alloying element on the Al diffusion in the α and γ Fe modifications. N. Vasileff

AUTHOR: Brzhan, V.S.

SOV/70-4-4-33/34

TITLE: X-ray Diffraction Studies of the Crystallisation of Adsorbed Water

PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 4, pp 631-633 (USSR)

ABSTRACT: X-ray diffraction studies of various sorts of silica gel saturated with water vapour show the existence of an unusual form of water. Water adsorbed on silica gel was partially crystallised at -9°C . X-ray pictures of ice frozen in the range -10° to -170°C and pictures from the absorbed water were like each other (hexagonal ice, $a = 4.5085$, $c = 7.338 \text{ \AA}$ at -66°C) but showed only 4 lines, there being a sharp cut-off at $\sin \theta / \lambda = 0.26$ ($d = 1.92 \text{ \AA}$). The lines found are only those common to hexagonal and cubic ice. Such a phenomenon of a defect ice had been observed in ice condensed onto a metal plate at -90°C (E.F. Burton and W.F. Oliver - Ref 3). The most probable explanation seems to be a mixing of the hexagonal ABABAB and the cubic ABCABC layer sequences in a way similar to the disordering of cobalt, where only lines for which

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X-ray Diffraction Studies of the Crystallisation of Adsorbed Water

SOV/70-4-4-33/34

$h - k = 3n$ or $l = 0$ are sharp. The lines found here satisfy the same conditions, except for a very weak and diffuse $10\bar{1}3$ reflection. Analogous anomalies are also found in the tridymite-cristobalite system.

Acknowledgments are made to G.S. Zhdanov.

There are 1 table and 8 references, of which 1 is Soviet, 5 are English and 2 German.

ASSOCIATION: Voronezhskiy sel'skokhozyaystvennyy institut
(Voronezh Agricultural Institute)

SUBMITTED: November 19, 1958

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S/137/61/000/005/031/060
A006/A106

AUTHOR: Brzhan, V. S.

TITLE: Diffusion of aluminum into iron

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 5, 1961, 3, abstract 5Zh18
("Zap. Voronezhsk. s.-kh. in-ta", 1959, v. 28, no. 2, 419-421)

TEXT: Armco-Fe specimens were calorized at 950, 1,025 and 1,100°C for 2, 5 and 10 hours. Calorizing was performed in powdery ferroaluminum (48% Fe and 52% Al). The thickness of the diffusion layer was measured on the specimen butts having a cylindrical shape. The length of columnar crystals formed during the diffusion of Al into Fe was taken as the thickness of the diffusion layer, by reducing the layer of adhered ferroaluminum. The dependence of diffusion depth x on time t approaches the parabolic value and is described by the equation $x = 2 \sqrt{Pt}$. Considering that Al concentration on the specimen surface remains constant during the diffusion process, that the concentration in the diffusion layer changes linearly and that coefficient of diffusion D does not depend on the concentration, it is assumed that $P = 2D$. The temperature dependence of D is determined by equation $D = 0.72 \exp(-45,000/RT)$ cm²/sec. A. R.

[Abstracter's note: Complete translation]

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BRZHECHKA, V.F.

O naimen'shem uklonenii ot nulya v dannom intervale monotonnogo polinoma pri zadannom znachenii vtoroy proizvodnoy v kakoy-libo toчке intervala. Khrk., Zap. Matem. T-va (4), 2 (1928), 57-66.

O nekotorykh zadachakh na **extremum**. Khrk., Zap. Matem. T-VA (4), 4 (1930), 103-121.

Ueber ein **extremum**-Problem. Khrk., Zap. Matem. T-V" (4), 9 (1934), 49-52.

Ueber ein arbeit von Prof. J. Geronimus. Khrk. Zap. Matem. T-VA (4), 10 (1934), 65-68.

Sur les polynomes, multiplement monotones, qui s'ecartent le moins de zero, les deux premiers coefficients etant donnees. C.R. Acad. Sci., 200 (1935), 512-521.

Ueber einige **extremale** eigenschaften der vielfach **monotonen** und **monotonen** polynome. Khrk., Zap. Matem. T-VA (4), 12 (1936), 61-80.

Ob odnoy ekstremal'noy zadache. Khrk., SB. nauchn - tekhn statey elektrotekhn. In-ta. 5 (1939), 83-87.

Ob odnom klasse polinomov, ortogonal kykh na dvukh konechnykh simmetrichnykh intervalakh. Khrk., Zap. Matem. T-VA (4), 17 (1940), 75-98.

30: Mathematics in the USSR, 1917-1947

edited by Kurosh, A.G.,

Narushevich, A.I.,

Rashevskiy, P.K.

Moscow-Leningrad, 1948

BRZHECHKA, V.F.

BRZHECHKA, V.F.

Brzhechka, V.F. "A problem of extreme analogous to Ye. I. Zolotarev's problem," Nauch. zapiski Khar'k. mekhan. -Mashinostroit. in-ta, Vol. IX, Issue 1, 1948, p. 9-17 ---
Bibliog: 5 items

SO: U-3566, 15 March, 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

BRZHECHKA, V. F.

Brzhechka, V. F. On Bolzano's function. Uspehi Matem. Nauk (N.S.) 4, no. 2(30), 15-21 (1 plate) (1949). (Russian)
A brief account of Bolzano's life and work with special emphasis on his well-known example of a continuous non-differentiable function. F. A. Behrend (Melbourne).

Source: Mathematical Reviews, 1950 Vol 11 No. 8

S/781/62/000/000/036/036

AUTHORS: Borisov, M. D. (deceased), Brzhechko L. V., Zikov V. G.,
Padalka V. G., Stepanenko I. A., Ternopol, A. M.

TITLE: Spectroscopic measurements of ion temperature and ion density

SOURCE: Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza;
doklady I konferentsii po fizike plazmy i probleme upravlyayemykh
termoyadernykh reaktsiy. Fiz.-tekh. inst. AN Ukr.SSR, Kiev, Izd-vo
AN Ukr. SSR, 1962. 170-172

TEXT: Results are described, obtained with a model of the straight-line
portion of racetrack apparatus for the study of discharge stability. The plasma
was produced by the method of Colgate and Wright (ref. 1, Russian translation
cited) in a glass tube 50 cm long and 8 cm in diameter, at a pressure of 10^{-2} mm
Hg. An alternating longitudinal field up to 4000 G was produced by discharging
a 3 microfarad capacitor; the field period was 14 microseconds. The field at
the center of each coil was double the value, so that the mirror ratio was 2:1.
The ion temperature and density were determined by studying the contour of the
Balmer-series H_{α} line. It was estimated that only the Doppler effect and the

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Spectroscopic measurement of ion ...

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statistical Stark effect contribute to the contour noticeably. Streak photographs have shown that the influence of radial plasma oscillations is small and the random motion of the ions does not affect the ion temperature appreciably. The correction for the apparatus function was determined with the aid of a Fabry-Perot interferometer. The experimentally obtained contour shows that the shape of the central portion is determined by the Doppler effect only, and the statistical Stark effect influences only the skirts (Holtzmark broadening). The ion temperature as determined from the half-width of the Gaussian curve was found to be approximately 4.5 eV, while the ion density ranged between 5×10^{14} and 10^{15} cm^{-3} . Were the hydrogen to be completely ionized, the density would be $3 \times 10^{15} \text{ cm}^{-3}$. There is one figure.

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BORISOV, M.D.; ZYKOV, V.G.; STEPANENKO, I.A.; TERNOPOL, A.M.;
PADALKA, V.G.; ~~BRZHECHKO, L.V.~~

[Plasma production by the radial compression method and
measurement of certain plasma parameters] Poluchenie plaz-
my metodom radial'nogo szhatiia i izmerenie ee nekotorykh
parametrov. Khar'kov, Fiziko-tekhn. in-t AN USSR, 1960.
277-294 p. (MIRA 17:3)

ACC NR: ^{44, 55} AT5028595 ^{44, 55} EWI(1)/ETC/EPF(n)-2/ENG(m) ^{44, 55} LJP(c) AT/GS
 SOURCE CODE: UR/0000/65/000/000/0526/0532
 AUTHOR: ^{44, 55} Dushin, L. A.; ^{44, 55} Kononenko, V. I.; ^{44, 55} Pavlichenko, O. S.; ^{44, 55} Nikol'skiy, V. K.;
^{44, 55} Brzhechko, L. V.
 ORG: none

TITLE: Microwave and spectroscopic investigation of an electrodeless induction discharge 95
B+1

SOURCE: Konferentsiya po fizike plazmy i problemam upravlyayemogo termoyadernogo sinteza. 4th, Kharkov, 1963. Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza (Physics of plasma and problems of controllable thermonuclear synthesis); doklady konferentsii, no. 4. Kiev, Naukova dumka, 1965, 526-532

TOPIC TAGS: ^{21, 44, 55} plasma diagnostics, plasma pinch, microwave plasma, microwave spectroscopy, gas discharge spectroscopy 21, 44, 55

ABSTRACT: Plasma heating experiments where conditions favorable to strong microwave emission occur are described. The apparatus used for production of microwaves is a theta-pinch device with maximum mirror magnetic field of $1.3 \cdot 10^{-6}$ a/m having a period of $8.6 \cdot 10^{-6}$ sec and employing high frequency preionization. Microwave and optical diagnostics were used to determine the plasma parameters. Three microwave signals with a wide range of frequencies (9.4 Gc, 37 Gc, 140 Gc) were used to probe the

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plasma outside and within the theta coil region. It was established using microwave propagation perpendicular to the plasma (and magnetic field) axis that a plasma density higher than $2.4 \times 10^{14} \text{ cm}^{-3}$ exists for $6.0 \times 10^{-5} \text{ sec.}$ Density vs time plots are given for different capacitor voltages (driving the theta-pinch discharge). The measurements indicate that the plasma density outside the coil region decreases in accordance with a diffusion mechanism while the plasma inside the theta-coil region decreases due to some more rapid loss mechanism. The spectral measurements show that the hydrogen is highly ionized, radiating only at magnetic field minima. The impurity lines also appear at these minima, while at other times continuum radiation dominates. The charged-particle densities are shown to increase with the initial pressure as determined from the line width of H_{β} . In addition, electron temperature history was determined from observation of singlet and triplet lines of H_{α} which was

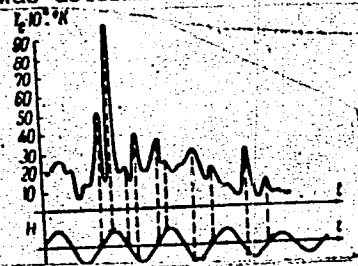


Fig. 1. Variation of T_e with time
 $p = 1.3 \text{ N/m}^2$ $U = 20 \text{ kv}$

introduced in small quantities. Electron temperature (T_e) peaks occurred during both maximum electric and maximum magnetic fields (Fig. 1). Both microwave and spectral measurements were found to be consistent. Orig. art. has: 9 figures. [14]

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ACC NR: AT5028595

SUB CODE: 09

SUBM DATE: 20May65/ ORIG REF: 003/ OTH REF: 004/ ATD PRESS:

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Cord

3/3

ACCESSION NR: AP4028943

S/0057/64/034/004/0590/0596

AUTHOR: Pavlichenko, O.S.; Dushin, L.A.; Nikol'skiy, I.K.; Brzhechko, L.V.

TITLE: Macroscopic plasma instability in a reflex discharge

SOURCE: Zhurnal tekhicheskoy fiziki, v.34, no.4, 1954, 590-596

TOPIC TAGS: plasma, plasma instability, reflex discharge plasma, PIG Reflex, anomalous plasma diffusion, helium plasma

ABSTRACT: Plasma stability and diffusion were investigated in a cold-cathode reflex discharge in a longitudinal magnetic field (PIG Reflex). The discharge took place in a glass tube 5 cm in diameter containing helium at pressures from 5×10^{-4} to 10^{-2} mm Hg. The aluminum electrodes were 44 mm in diameter. The cathodes were separated by 70 cm, and the anodes, provided with 36 mm openings, were mounted 8 cm from their respective cathodes. Potentials up to 2 kV were applied, and currents from 50 to 300 mA were obtained. The longitudinal magnetic field was uniform within 0.5% and could be varied up to 3400 Oe. The following diagnostic instruments or procedures were employed: simple probes; a double electric probe on the axis; 3 cm microwave transmission measurements; electron temperature measurement by observation

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ACCESSION NR: AP4028943

of the intensity ratio of the He II 4686 Å to He I 4921 Å lines; luminous intensity measurements. Electron densities and temperatures of the order of $5 \times 10^{11} \text{ cm}^{-3}$ and 20 eV, respectively, were observed. It was found, in agreement with the observations of J.F. Bonnal, G. Briffod and C. Manus (Phys. Rev. Lett. 6, 665, 1961) that the ion current to the wall of the tube reached a minimum at a certain critical value of the magnetic field and increased in stronger fields. The value of the critical magnetic field increased with helium pressure from about 500 Oe at 10^{-3} mm Hg to 1200 Oe at $5 \times 10^{-3} \text{ mm Hg}$. The electron temperature and density on the axis reached maxima at the critical magnetic field. A radial electric field developed in the plasma at the critical magnetic field and increased with further increase of the magnetic field. Values over 60 mV/cm were observed. Macroscopic motion of the plasma column was observed by rotating mirror time-resolution photography. The column developed helical structure at magnetic fields above the critical, and pulsed at frequencies from 200 to 800 cycles/sec. Density oscillations at frequencies from 20 to 50 kilocycles/sec were observed by microwave and probe measurements. The electron temperature and the luminous intensity decreased monotonically with increasing distance from the axis, and the electron temperature had two maxima, one on the axis and one in the outer portion of the column. The increased ion diffusion at fields above

2/3

ACCESSION NR: AP4028943

the critical field is ascribed to the macroscopic motion of the column. It is suggested that these oscillations were not observed by Bonnal, Briffod and Manus (loc. cit.) because of their very low frequency. The rotation of the column is ascribed to azimuthal drift in the crossed radial electric and longitudinal magnetic fields. The origin of the radial electric field is not understood; several possibilities are briefly discussed. The failure of F.Chen and A.Cooper (Phys.Rev.Let.9,333,1962) to observe the increased diffusion is ascribed to the stabilizing influence of the metal walls of their discharge chamber with respect to the development of large amplitude magnetohydrodynamic instabilities. "In conclusion, the authors consider it their duty to express their gratitude to B.B.Kadomtsev, V.T.Tolok and Ya.B.Faynberg for discussing the results, and to I.Yu.Adamov and V.I.Kononenko for assistance in the work." Orig.art.has: 1 formula and 10 figures.

ASSOCIATION: none

SUBMITTED: 05Apr63

DATE ACQ: 28Apr64

ENCL: 00

SUB CODE: PH

NR REF SOV: 003

OTHER: 006

Card 3/3

L 16466-66 EWT(1)/ETC(f)/EPF(n)-2/EWG(m) IJP(c) DM/AT
ACC NR: AP6005531 SOURCE CODE: UR/0089/66/020/001/0052/0052

AUTHOR: Brzhechko, L. V.; Pavlichenko, O. S.; Shvets, O. M.

ORG: none

TITLE: Effect of a metal chamber when the diamagnetic probe method is used for
measuring plasma parameters *qm*

SOURCE: Atomnaya energiya, v. 20, no. 1, 1966, 52

TOPIC TAGS: diamagnetism, plasma physics, ion temperature, plasma measurement

21
44
55 ABSTRACT: A method is proposed for taking account of wall conductivity when mea-
suring the diamagnetism of a plasma enclosed in a metal chamber. It is shown that
the metal walls reduce the magnetic flux through the coil surrounding the plasma
column by a factor of $1/\chi(r)$ in comparison with the flux which would be measured
through the probe if there were no walls, where r is the radius of a turn. The
proposed correction formulas were used for calculating the ion temperature of a
plasma, and satisfactory agreement was observed between the results and data from

UDC: 533.9

Card 1/2

L 16466-66
ACC NR: AP6005531

spectroscopic measurement of the ion temperature. Orig. art. has: 1 figure, 7 formulas. O

SUB CODE: 20/ SUBM DATE: 04Sep65/ ORIG REF: 001/ OTH REF: 002

Card 2/2/mc

ACCESSION NR: AT4036047

S/2781/63/000/003/0109/0117

AUTHORS: Brzhechko, M. V.; Vasil'yev, M. P.; Grigor'yeva, L. I.;
Dolgoplov, V. V.; Loginov, A. S.; Pavlichenko, O. S.; Smerdov, B. I.;
Stepanov, K. N.; Chechkin, V. V.

TITLE: Absorption of high-frequency energy by a plasma near ion
cyclotron resonance, II.

SOURCE: Konferentsiya po fizike plazmy* i problemam upravlyayemogo
termoyadernogo sinteza. 3d, Kharkov, 1962. Fizika plazmy* i prob-
lemy* upravlyayemogo termoyadernogo sinteza (Plasma physics and
problems of controlled thermonuclear synthesis); doklady* konferen-
tsii, no. 3, Kiev, Izd-vo AN UkrSSR, 1963, 109-117

TOPIC TAGS: cyclotron resonance phenomena, plasma heating, plasma
thermal excitation, plasma magnetic field interaction, microwave
plasma, discharge plasma, plasma source

Card 1/4

ACCESSION NR: AT4036047

ABSTRACT: This is the second part of a two-part paper and is devoted to an experimental check on the absorption of high-frequency energy by a plasma under conditions of ion cyclotron resonance, and a check on the theoretical deductions of the first part of the paper. The system used to feed the high-frequency power into the plasma is an artificial LC line fed at a high harmonic. This system is claimed to have several advantages over others. The source of high-frequency power was a self oscillator specially developed for the excitation of the line. The plasma was produced by a pulsed Penning discharge in a magnetic field in hydrogen ($H < 0.8$ Tesla). Considerable loading of the generator by the plasma took place near ion cyclotron resonance, accompanied by an increased intensity of the glow of the H_{β} line in the discharge. The shift in the maxima of the load curve away from the resonant value of the magnetic field, and also the form of this curve, are in agreement with the results of the theoretical part of the paper. The system for the supply of the high-frequency energy to the plasma and the experimental setup

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ACCESSION NR: AT4036047

are described in detail. It is pointed out that since the plasma temperature did not exceed 10^4 K in the experiments, the ion cyclotron damping is negligibly small and the absorption of high-frequency energy is only due to the collision between the ions and the electrons. The Penning discharge used in the investigation was not found to be as efficient as that elsewhere. The data offer evidence that the LC line is a highly effective system of transmitting high-frequency energy from the generator to a plasma in the case of ion cyclotron resonance. "The authors are grateful to K. D. Sinelnikov and V. T. Tolok for a discussion of the work. Orig. art. has: 6 figures and 7 formulas.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 21May64

ENCL: 01

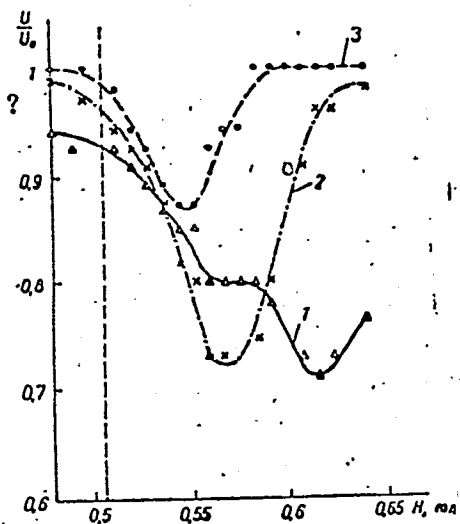
SUB CODE: ME

NR REF SOV: 003

OTHER: 002

ACCESSION NR: AT4036047

ENCLOSURE:01



Dependence of the amplitude of the high-frequency voltage on the line (in relative units) on the magnetic field intensity at different instants of time following the discharge ignition: 1 - 200 μsec , 2 - 300 μsec , 3 - 400 μsec .

Tesla

Card 4/4

BRZHESKIY, B.Ch.

History of surgery under the ~~semstvo~~ administration in the
Yekaterinoslav Government. Vrach. delo no.9:124-126 1963.
(MIRA 16:10)

1. Kafedra organizatsii zdravookhraneniya i istorii meditsiny
(zav. - kand.med.nauk V.Ch.Brzheskiy) Grodnenskogo meditsin-
skogo instituta.
(YEKATERINOSLAV GOVERNMENT—SURGERY)

BRZHESKIY, V., kand.med.nauk

"Some problems of topographic anatomy and operative surgery"
by M.S. Znamenskii. Reviewed by V. Brzheskii. Sov.zdrav.Kir.
no.1:63-64 Ja-F '63. (MIRA 16:3)
(ANATOMY, SURGICAL AND TOPOGRAPHICAL) (SURGERY, OPERATIVE)
(ZNAMENSKII, M.S.)

BRZHESKIY, V.Ch.

Zemstvo physicians on the rostrum of the congresses of Russian
surgeons. Klin.khir. no.6:85-87 Je '62. (MIRA 16:5)

1. Kafedra organizatsii zdravookhraneniya i istorii meditsiny
(ispolnyayushchiy obyazannosti zavednyushchego - kand.med.nauk
V.Ch. Brzheskiy) Grodnenskogo meditsinskogo instituta.
(SURGERY--CONGRESSES)

BRZHEVSKIY, V.Ch. (Tikhvin Leningradskoy oblasti).

Organization of public health should be further improved. Sov.zdrav.12 no.5:
51-53 S-O '53.

(MLRA 6:10)
(Public health)

BRZHESKIY, V. (Tikhvin); SEMOCHKIN, S. (Pskov); MOROZOV, P. (Sochi).

At a school of nursing. Sov.kras.krest 4 no.1:10 Ja-Mr '54.
(MLRA 7:4)

1. Nachal'nik kursov meditsinskikh sester (for Brzheskiy, Morozov).
2. Predsedatel' oblastnogo komiteta Krasnogo Kresta (for Semochkin).
(Nurses and nursing--Study and teaching)

BRZHESKIY, V.Ch. (Tikhvin Leningradskoy oblasti)

Therapeutic value of microcide in dermatological practice. Sov.
med. 18 no.7:35-36 J1 '54. (MLRA 7:8)

(SKIN, diseases

*therapy, antibiotics, microcide)

(ANTIBIOTICS, therapeutic use

*microcide in skin dis.)

BRZHESKIY, V.Ch. (Tikhvin, Leningradskoy oblasti)

Activities of general practitioners in the field of otorhinolaryngology.
Vest. oto-rin. 16 no.5:12-16 3-0 '54. (MLRA 7:12)

(OTORHINOLARYNGOLOGY,
in GP)

(GENERAL PRACTICE,
otorhinolaryngol. in)

BRZHEFSKIY, V.Ch.

Case of recurring baldness. Vest.ven.i derm. no.1:47-48 Ja-F '54.
(MLRA 7:2)

1. Iz zdavpunkta Tikhvinskogo lesokhimicheskogo tekhnika.
(Baldness)

BRZHESKIY, V.Ch.

Scientific work of practicing physicians. Vest.khir.76
no.9:101-103 0 '55. (MLRA 9:1)

1. Iz gerodskoy bol'nitsy gor. Tikhvina, Leningradskoy oblasti.
(GENERAL PRACTICE,
scientific work of GP in Russia)

BRZHEFSKIY, V. G.

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

785. TOWARDS A BETTER POSTGRADUATE MEDICAL EDUCATION

(Russian text) - Brzheskiy V. G. - AZ. MED. ZH. 1956, 12 (87-88)

In order to improve the quality of postgraduate medical education the following recommendations are made: the number of lectures should be reduced; the number of hours of practical work should be increased; the students should be given an opportunity to operate under the supervision of teachers; postgraduate schools be provided with the most modern equipment; the number of students admitted to any such school should be reduced.

(S)

BRZHESKIY, V.Ch., (g. Tikhvin, Leningradskoy oblasti)

History of surgery under zemstvo administration. Khirurgiya 32.

no.2:84-88 F '56.

(MLBA 9:7)

(SURGERY, hist.

in Russia in rural areas)

BEZHESKIY, V.Ch.

Avksentii Trofimovich Bogaevskii. Vest.khir. 77 no.4:142-143

Ap '56.

(MLRA 9:8)

(BOGANVSKII, AVKSENTII TROFIMOVICH, 1848-1930)

BRZHEVSKIY, V. (g.Tikhvin)

Letter to the editor of "Vestnik khirurgii". Vest.khir. 77 no.12:
150 D '56. (MLRA 10:2)
(SURGERY--HISTORY)

BRZHEVSKIY, V.Ch.

BRZHEVSKIY, V.Ch. (Tikhvin, Leningradskoy oblasti)

~~BRZHEVSKIY, V.Ch.~~
Make proper use of the services of highly specialized physicians.
Zdrav.Ros.Feder. 1 no.11:41-42 W '57. (MIRA 10:12)
(MEDICINE--SPECIALTIES AND SPECIALISTS)

BRZHESKIY, V. ^{Ch.}

"Konstantin Vasil'evich Volkov, division surgeon" by A.M. Aminev.
Reviewed by V. Brzheshki. Zdrav.Rus.Fed. 1 no.7:31-32 J1 '57.

(MIRA 12:12)

(VOLKOV, KONSTANTIN VASIL'EVICH)
(AMINEV, A.M.)

BRZHEKIIY, V.Ch.

KONTOR, G.D., zasluzhennyy vrach RSFSR; BRZHEKIIY, V.Ch.

Nikolai Fedotovich Bogolavlenkii; obituary. Nov.khir.arkh. no.2:85
Mr-Apr '57. (MLRA 10:8)
(BOGOLAVLENSKII, NIKOLAI FEDOTOVICH, 1865-1916)

BRZHESKIY, V.Ch. (Tikhvin, Leningradskoy oblasti)

History of provincial medical societies in Russia. Sov.med. 21
no.4:135-142 Ap '57. (MIRA 10:7)

(SOCIETIES, MEDICAL, hist.
in Russia)

BRZHESKIY, V. Ch.

BRZHESKIY, V.Ch. (Tikhvin Leningradskoy oblasti)

History of syphilis control in Russia. Vest.derm. i ven. 31 no.5:
47-50 S-O '57. (MIRA 10:12)

(SYPHILIS, prev. and control
in Russia, hist.)

BRZHESKIY, V.Ch., Cand Med Sci -- (diss) "Scientific activity
of Soviet practitioners in the ^{field} ~~domaine~~ of surgery." Tikhvin,
1958, 16 pp including cover (Khar'kov State Med Inst. Tikhvin
Inter^{regional} ~~regional~~ Hospital) 200 copies (KL, 50-58, 128)

- 113 -

BRZHEFSKIY, V.Ch.

ABDUSAMETOV, R.Kh. (Semipalatinsk), ANTON'YEV, A.A., kand.med.nauk. (Rostov-na-Donu), BRZHEFSKIY, V.Ch. (Tikhvin, Leningradskaya oblast')
GRZHEBIN, Z.N., prof. (Chernovitsy), IVANOV, N.A., prof. (Leningrad)
KAZAKOV, V.I., dots. (Stavropol' na Kavkaze), SLADKOVICH, S.Ye.
(Moskva), TORSUYEV, N.A., prof. (Rostov-na-Donu), MAESIMOVA, A.A.
dote. (Rostov-na-Donu), FAYN, A.E., kand.med.nauk (Saratov) KHRISTIN, L.I.
prof. (Stanislav), YAKUBSON, A.K., prof. (Novosibirsk), LESNIKOV, Ye.P.,
assistant (Novosibirsk)

Problems of teaching dermatovenerology in medical institutes. Vest.
derm. i ven. 32 no.3:60-69 '58 (MIRA 11:7)
(DERMATOLOGY, educ.
in Russia (Rus))
(SYPHILOLOGY, educ.
in Russia (Rus))

BEZHESKIY, V.Ch. (Tikhvin, Leningradskoy oblasti)

Participation of Soviet physicians in development of surgery in gastric
and duodenal ulcer. Khirurgia 34 no.3:132-135 Mr '58. (MIRA 12:1)

(PEPTIC ULCER, surg.

develop. in Russia (Rus))

BRZHESKIY, V.Ch. (Tikhvin)

"Surgeons of Kiev University, contemporaries and successors of
N.I. Pirogov" by M.P. Postolov. Reviewed by B.Ch. Brzheskii. Nov.
khir. arkh. no.2:132 Mr-Apr '59 (MIRA 12:7)
(SURGEONS) (POSTOLOV, M.P.)

BRZHESKIY, V.Ch.

"A.G. Arkhangel'skaia, Zemstvo physician" by S.A. Iakobson. Reviewed
by V.Ch. Brzheskii. Zdrav. Res. Feder. 3 no.5:37-38 My '59.

(MIRA 12:7)

(MEDICINE, RURAL)

(IAKOBSON, S.A.)

BRZHEVSKIY, V.Ch. (g. Tikhvin, Leningradskoy obl.)

" M.I. Sitenko" by V.S. Kostrikov, A.P. Skoblin. Reviewed by V.Ch.
Brzheskii. Ortop.travm.i protez. 20 no.8:72-73 Ag '59.

(MIRA 12:11)

(SITENKO, MIKHAIL IVANOVICH)
(KOSTRIKOV, V.S.) (SKOBLIN, A.P.)

BRZHESKIY, V.Ch. (Tikhvin)

Review of S.P. Shilovtsev's "V.I. Razumovskii." Khirurgiia 35 no.10:
139-140 0 '59. (MIRA 12:12)

(RAZUMOVSKII, VASILII IVANOVICH, 1857-)

(SHILOVTSEV, S.P.)

BRZHEVSKIY, V.Ch.

In memory of Vladimir Fedorovich Dagaev. Vest.khir. 82 no.2:156
F '59. (MIRA 12:2)

(BIOGRAPHIES,

Dagaev, Vladimir.F. (Rus))

BRZHESKIY, V. ^{Ch.} (g. Tikhvin); POPOVICH, P. (g. Yaroslavl'); BLAGOVESHCHENSKIY, M.
(g. Ivanovo)

Veniamin Petrovich Manuilov; on the 45th anniversary of his medical
activities. Vest.khir. 83 no.8:152-153 Ag '59. (MIRA 13:1)
(MANUILOV, VENIAMIN PETROVICH)

BRZHESEKIY, V.Ch. (Tikhvin)

"Accident prevention in mechanized agriculture" by S.A. Andreev.

Reviewed by V.Ch. Brzheskii. Ortop., travm. i protex. 20 no. 12:

60-61 D '59.

(MIRA 13:5)

(AGRICULTURE--ACCIDENTS) (ANDREEV, S.A.)

BRZHESKIY, V.Ch. (Tikhvin, Leningradskoy obl., Proletarskiy per., d.3)

History of zemstvo surgery in Chernigov government. Noy. khir. arkh.
no.4:124-127 J1-Ag '60. (MIRA 15:2)
(CHERNIGOV GOVERNMENT SURGERY)

BZHESKIY, V.Ch. (Tikhvin)

"Collection of research works by physicians of Rovno Province."
Reviewed by V.Ch.Brzheskii. Vrach.delo no.5:535 My '60.
(MIRA 13:11)

(MEDICINE)

BRZHESKIY, V.Ch., kand.med.nauk (Tikhvin)

"Physician without rank" by I.Rostotskii. Reviewed by V.Ch.Brzheskii.
Kaz. med. zhur. no.6:89-90 N-D '60. (MIRA 13:12)
(PHYSICIANS, RUSSIAN)
(ROSTOTSKII, I.)

BRZHESKIY, V.Ch., kand.med.nauk (g. Tikhvin, Leningradskoy oblasti)

Kharkov Medical Society. Vrach.delo no.7:145-146 J1 '60.

(MIRA 13:7)

(KHARKOV--MEDICAL SOCIETIES)

BRZHESKIY, V.Ch.

"Collection of works of physicians of the Mari A.S.S.R. and of
associates of the Kazan Medical Institute." Reviewed by V.Ch.
Brzheskii. Zdrav.Ros.Feder. 4 no.11:39-40 '60. (MIRA 13:11)
(MEDICINE)

BRZHEFSKIY, V.Ch.

Pyoderma in forestry workers. Vest.derm. i ven. 34 no.11:30-33
N '60. (MIRA 13:12)

1. Iz kozhnogo otdeleniya (zav. V.Ch.Brzheskiy) Tikhvinskoy
meshrayonnoy bol'nitsy (glavnyy vrach E.N.Bunyatov).
(PYODERMA statist.)
(OCCUPATIONAL DISEASES statist.)

BRZHESKIY, V.Ch.

History of popular surgery. Vest.khim. 84 no.3:132-134 Mr '60.
(MIRA 13:12)

(SURGERY)

BRZHESKIY, V.Ch.

Regulating the reception of patients in the polyclinical sections
of district hospitals. Zdrav. Res. Feder . 5 no.6:20-22 Je '61.

(MIRA 14:6)

1. Zamestitel' glavnogo vracha Tikhvinskoy mezhrayonnoy bol'nitsy
Leningradskoy oblasti.

(HOSPITALS, RURAL)

BRZHESKIY, V.Ch.

"Essays on the history of accident control in the U.S.S.R." by
E.A.Loginova. Reviewed by V.Ch. Brzheskii. Sov.zdrav. 19 no.3:
82-84 '61. (ACCIDENTS—PREVENTION) (MIRA 14:6)
(LOGINOVA, E.A.)

BRZHEFSKIY, V.Ch.

"Doctors of Nizhniy Novogorod" by V.I.Dmitrieva. Reviewed by V.Ch.
Brzheskii. Sov. zdrav. 20 no.11:81, '61. (MIRA 14:12)
(GORKIY PHYSICIANS) (DMITRIEVA, V.I.)

BRZHESKIY, V.Ch. (Grodno)

"N.A. Vel'iaminov" by V.M. Korneev. Reviewed by V.Ch. Brzheskii.
Klin.khir. no.12:78-79 D '62. (MIRA 16:2)
(VEL'IAMINOV, NIKOLAI ALEKSANDROVICH, 1855-1920)
(KORNEEV, V.M.)

BRZHESKIY, V. (Grodno)

"From the history of public health in Irkutsk Province" by
A.I. Malozemova. Reviewed by V. Brzheskii. Sov. zdrav. 21
no.3:91 '62. (MIRA 15:3)

(IRKUTSK PROVINCE—PUBLIC HEALTH)
(MALOZEMOVA, A.I.)

BRZHESKIY, V.Ch.

Study of public health. Zdrav.Ros.Feder. 6 no.7:27-28 J1 '62.

(MIRA 15:9)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny
(zav.-kand.med.nauk V.Ch.Brzheskiy) Grodnenskogo meditsinskogo
instituta.

(NOSOLOGY)

BRZHESKIY, V.Ch., kand.med.nauk

"Polyclinical care in Moldavia" by V.I.Kant. Reviewed by V.Ch.
Brzheskii. Sov.zdrav. 21 no.8:84-85 '62. (MIRA 15:11)
(MOLDAVIA—HOSPITALS)
(KANT, V.I.)

BRZHESKIY, V.Ch.(Grodno)

Comment on the book, "All-Union scientific congresses of
physicians and their importance for the practice of Soviet public
health." Sov.zdrav. 21 no.12:82 '62. (MIRA 15:12)
(PUBLIC HEALTH)

BRZHESKIY, V.Ch. (Grodno)

"Medical service during the Patriotic War of 1812" by V.M.
Korneev, L.V.Mikhailova. Ortop., travm.i protez. 23 no.11:
90-91 N '62. (MIRA 16:4)
(RUSSIA--INVASION OF 1812--MEDICAL AND SANITARY AFFAIRS)
(KORNEEV, V.M.) (MIKHAILOVA, L.V.)

BRZHESKIY, V.Ch. (Grodno)

Role of zemstvo physicians in traumatism control. Ortop., travm.
i protez. 25 no.3:80-84 Mr '64. (MIRA 18:3)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny
(zav. - V.Ch.Brzheskiy) Grodnenskogo meditsinskogo instituta
(rektor - dotsent D.A.Maslakov).

MIKHEL'SON, A.I., prof. (Minsk); BRZHESKIY, V.Ch., dotsent (Grodno)

Role of zemstvo physicians in the development of urology in Russia;
on centenary of zemstvo medicine. Urologia. 29 no.2:3-6 Mr-Apr '64.
(MIRA 18:7)

BRZHESKIY, V.Ch. (Grodno)

History of the zemstvo surgery in the Smolensk Government.
Khirurgiia 40 no.1:146-148 Ja '64.

(MIRA 17:11)

BRZHESKIY, V.Ch.

Pirogov congresses and the zemstvo surgery. Vest. khir. 93 no.11:
124-128 N '64. (MIRA 18:6)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny
(zav. - V.Ch. Brzheskiy) Grodnenskogo meditsinskogo instituta.

BRZHESKIY, V.Ch. (Grodno)

Obstetrical service in zemstvo governments; on the centenary
of zemstvo medicine. Akush. i gin. no.1:152-154 '65.

(MIRA 18:10)

LUKASHENKO, N.P.; BRZHESKIY, V.V.

Discovery of natural foci of trichinosis in the Baraba forest-steppe
of Novosibirsk Province. Med.paraz. 1 paraz.bol 28 no.4:415-418
Jl-Ag '59. (MIRA 12:12)

1. Iz otdela gel'mintologii Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdavookhraneniya SSSR (dir. instituta - prof. P.G. Sergiyev, zav. otdelom - prof. V.P. Pod'yapol'skaya).
(TRICHINOSIS epidemiology)

LUKASHENKO, N.P.; BRZHESKIY, V.V.

Natural foci of trichinosis and alveococcosis on the Yamal
Peninsula. Med. paraz. i paraz. bol. 32 no.4:492 J1-Ag '63.
(MIRA 17:8)

1. Iz gel'mintologicheskogo otdela Instituta meditsinskoy
parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo
Ministerstva zdravookhraneniya SSSR (dir. - prof. P.G. Sergiyev,
zav. otdelom - prof. V.P. Pod'yapol'skaya).

BRZHESKIY, V.V.

Study of the development cycle of *Taenia krabbei*, a parasite
of carnivorous animals and deer. Dokl. AN SSSR 152 no.6:
1494-1495 0 '63. (MIRA 16:11)

1. Predstavleno akademikom K.I. Skryabinym.

~~BRZHESYAK, Yuriy Danylovich~~ BOZOV, A.A., otvetstvennyy redaktor;
WISHKEVICH, G.I., redaktor; DVORAKOVSKAYA, A.A., tekhnicheskii
redaktor.

[Pneumatic and pneumato-hydraulic attachments for equipment]
Pnevmaticheskie i pnevmogidravlicheskie zashisy v prispособleniyakh.
Leningrad, Gos.soiuznoe izd-vo sudostroitel'noy promyshl., 1957. 94 p.
(MIRA 10:11)

(Lathes--Attachments)

BREZHEVSKAYA, O.N.; L'VOV, K.M.; NEDELINA, O.S.

Existence of free radicals in enzymatic hydrolysis of adenosine triphosphate. Biofizika 9 no.4:500-501 '64.

(MIRA 18:3)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

BRZHEVSKIY, V.Ch.

Yaroslavl Physicians' Society. Zdrav. Ros. Feder. 4 no.9:39-41
S '60. (MIRA 13:9)

(YAROSLAVL—MEDICAL SOCIETIES)

BRZHEZANSKIY, V.I., inzh.; VAKSER, N.M., inzh.; PETROVA, K.N., inzh.;
TOLVINSKAYA, A.V., kand.tekhn.nauk

Dependence of the electrical properties of mica plastics on the
initial raw materials. Vest. elektroprom. 34 no.5:9-11 My '63.
(MIRA 16:5)

(Mica--Electric properties) (Plastics--Electric properties)